

**TEST TITLE:** CDS TO RD-670/U RADCOR INTERFACE TEST  
(LHA/0)

**TEST NO:** 41011-5-054

**REV/CHG:** A Preliminary

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**COVER SHEET**

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**TEST PROCEDURE PREPARATION**

NAVSURFWARCEN PHD  
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22 Dec 97

**Organization**

**Approval**

**Date**

**TEST PROCEDURE REVIEW**

NAVSURFWARCEN PHD  
PUGET FIELD OFFICE

F. R. Caldwell

22 Dec 97

**Organization**

**Approval**

**Date**

**DOCUMENTATION CERTIFICATION**

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**Organization**

**Approval**

**Date**

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**REVISION RECORD**

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<u>REV/CHG</u>	<u>DESCRIPTION</u>	<u>APPROVAL</u>	
		<u>INITIAL</u>	<u>DATE</u>
	Original	JDK	7/17/97
A	Reformat, delete KITT, and add setup for RADCOR input selection.		12/22/97

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**LIST OF EFFECTIVE PAGES**

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<u>PG-REV</u>	<u>PG-REV</u>	<u>PG-REV</u>	<u>PG-REV</u>	<u>PG-REV</u>	<u>PG-REV</u>	<u>PG-REV</u>
1-A	2-A	3-A	4-A	5-A	6-A	7-A
8-A	9-A	10-A	11-A			

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**TEST OUTLINE**

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1. OBJECTIVE:

Verify proper interface between the RD-670/U RADCOR and display system.

2. ESTIMATED TESTING TIME:

1 hour

3. REFERENCE:

4. TEST OR SUPPORT EQUIPMENT AND MATERIAL:

<u>GENERIC NAME</u>	<u>QUANTITY</u>	<u>IDENTIFYING INFORMATION</u>
Blank S-VHS Cassette	1	

5. COMPUTER PROGRAMS REQUIRED:

None

6. PREREQUISITES:

- a. 41111-4-033, AN/UYA-4, SYA-4 Display Audio Communications Test
- b. 41111-5-009, Display LAN Sensor Data Distribution (LHA/0)

7. SPECIAL CONDITIONS AND SERVICES:

- a. Air Conditioning
- b. Live or Simulated Radar

8. EQUIPMENT INVOLVED IN TEST:

- a. AN/UYQ-70 Display Group
- b. AN/SPQ-14 Advanced Sensor Display System (ASDS)
- c. Associated Display LAN Equipment
- d. RD-670/U RADCOR consisting of Video Recorder and Witness Unit

9. CONFIGURATION:

EC9 is required to run this test.

10. METHOD:

Record composite video and playback video of targets with known bearings on display system.

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11. STATION ASSIGNMENTS:

STATION	NO. PERSONNEL	COMMENTS
a. Display Console	1 Technician	N/A
b. RADCOR	1 Operator	N/A

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**SAFETY INSTRUCTIONS**

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Operation of this equipment involves the use of voltages which are dangerous to life. Operating personnel must observe safety regulations at all times.

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**INITIAL CONDITIONS AND SETUP**

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<b><u>STEP</u></b>	<b><u>STATION</u></b>	<b><u>INSTRUCTIONS</u></b>
1	MT-7085/U Power Distribution Unit (PDU)	a. Set CB3 to ON; observe Main Power and Fan indicators lit. b. Set RADCOR to ON; observe RADCOR Power indicator lit.
2	Witness Unit	Observe Power indicator lit.
3	Recorder	a. Set Power to ON; observe Signal Level indicators lit. b. Insert blank video cassette; observe IN indicator lit.

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**TESTING STEPS**

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<b><u>STEP</u></b>	<b><u>STATION</u></b>	<b><u>INSTRUCTIONS</u></b>
1	Radar or VSS	Set up to generate at least 4 targets of various ranges and bearings.
2	Controller or TSIU	Set RADCOR INPUT to Radar or VSS selected in step 1
3	Recorder	Press PLAY and REC together.
4	Recorder	a. Set RADAR A to RADCOR. b. Set RADAR B to OFF. c. Set RADAR C to OFF. d. Observe targets from step 1 are at correct range and bearing, and record on Test Data Recording page.
5	Recorder	a. Press STOP. b. Rewind tape. c. Press PLAY.
6	Display Console	Observe step 3 display, and record on Test Data Recording page.

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**SHUTDOWN AND SECURING**

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- 1 Recorder or TSIU
  - a. Press STOP.
  - b. Rewind tape.



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**TEST DATA RECORDING**

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PREREQUISITES

- a. 41111-4-033, AN/UYA-4, SYA-4 Display Audio Communications Test
- b. 41111-5-009, Display LAN Sensor Data Distribution (LHA/0)

PREREQUISITES COMPLETED \_\_\_\_ SIGNATURE AND DATE \_\_\_\_\_

TEST DATA RECORDING

<u>STEP</u>	<u>TEST ELEMENT</u>	<u>EXPECTED RESULTS</u>	<u>ACTUAL RESULTS</u>
3	Video	Targets correct	_____
3	Video	Targets correct	_____

\*Total compliance with procedure constitutes satisfactory completion.

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SHIP HULL  
NO.

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TEST CONDUCTOR  
SIGNATURE

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GOVERNMENT WITNESS  
SIGNATURE

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DATE

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**TEST EQUIPMENT USED**

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List all test equipment used in the test including all general and specialized test equipment, special test cables, attenuators, and any other materials requiring calibration. Include extra sheets as required.

<u>GENERIC NAME</u>	<u>MODEL</u>	<u>SERIAL NO.</u>	<u>CALIBRATION DUE DATE</u>	<u>REMARKS</u>
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**COMMENTS**

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This sheet is provided for the test conductor and Government witness to make appropriate comments including:

- a. Visual observations of dynamic responses.
- b. Erratic or unusual equipment behavior.
- c. Operational or handling difficulties.
- d. Procedural corrections.
- e. Equipment malfunctions.
- f. Discrepancies noted during test conduct.
- g. Waivers, including reference to authorization document; i.e., letter, message, etc.

Indicate if a TPR was generated with respect to these or other problems.

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SHIP HULL  
NO.

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TEST CONDUCTOR  
SIGNATURE

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GOVERNMENT WITNESS  
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DATE